

FLOOD →
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PRELIMINARY ISSUE
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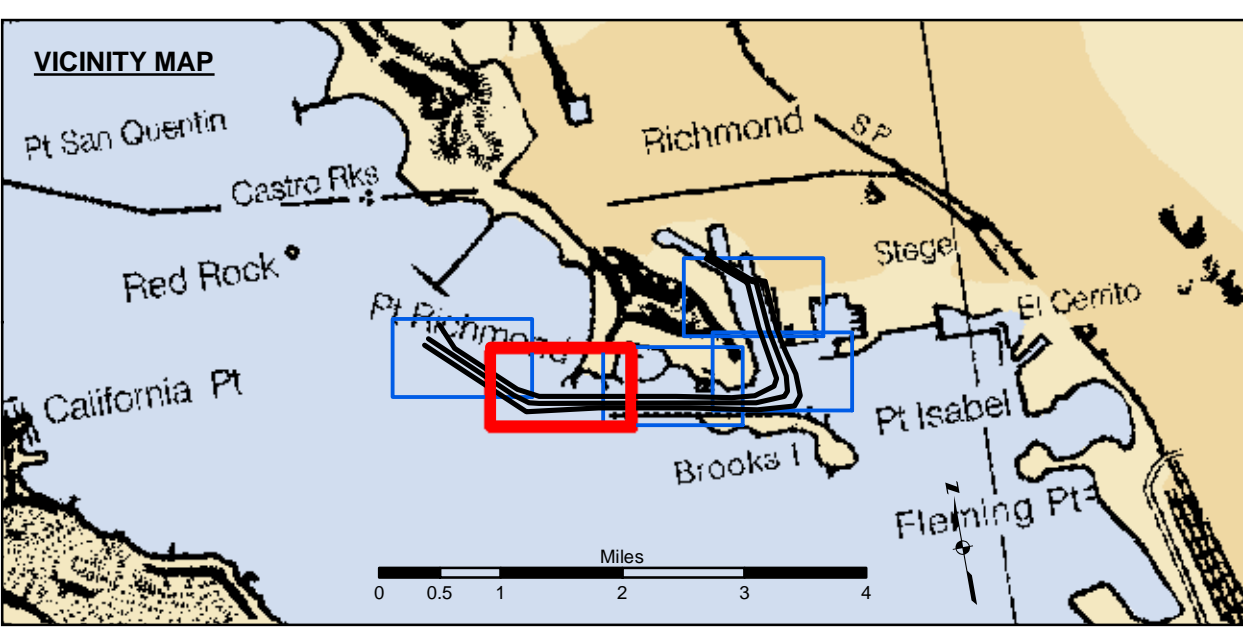
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San Francisco District
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Prepared Under the Direction of	JOHN C. MORROW	Surveyed By	PDT	Chart Date	Jan 21, 2016
Submitted	Hydro Survey Team Leader	Plotted By	PDT	Designed by	
Recommended	Chief, Hydro Survey Section	Checked By	PDT	Drawn by	PDT
Approved	Chief, Construction Branch				

ALAMEDA COUNTY
**RICHMOND INNER HARBOR
COMPOSITE POSTREDGE SURVEY**
SURVEY DATES ARE IN NOTE

**Sheet
Reference
Number**
2 of 5



Federal Navigation Channel	Beacon, General	Contours
Shoaling Area	Obstruction Point	-38
Placement Area	Navigation Buoy	-37
Anchorage Area	Navigation Buoy	-36
Wreck Area	Shoalest Sounding*	-35
Submerged Wreck		-34
Angle Point		

NOTES:
HORIZONTAL COORDINATE SYSTEM:
NORTH AMERICAN DATUM OF 1983 (NAD83), PROJECTED TO THE STATE PLANE COORDINATE SYSTEM (SPCS), CALIFORNIA ZONE III. DISTANCE UNITS IN U.S. SURVEY FEET.
VERTICAL DATUM:
SOUNDINGS ARE SHOWN IN FEET AND INDICATE DEPTHS BELOW MEAN LOWER LOW WATER.
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY CONDUCTED ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED TO REPRESENT THE GENERAL CONDITION EXISTING AT THAT TIME.
*SHOALEST SOUNDING PER QUARTER PER REACH
SURVEY DATES:
Reach 0-2 AD - 14 Dec 2015
Reach 3-5 AD - 04 Dec 2015
Reach 6 AD - 25 Nov 2015
Reach 7 AD - 30 Nov 2015
Reach 8 AD - 20 Nov 2015
Reach 9 AD - 16 Nov 2015
Reach 10 AD - 10 Nov 2015
DRAWING NOT TO BE USED FOR NAVIGATION.
ONLY CHANNEL CONDITION AT DATE OF SURVEY.
THE LOCATION OF ALL NAVIGATION AIDS ARE BASED ON INFORMATION PROVIDED BY THE U.S. COAST GUARD BUOY LOCATION REPRESENT THE POSITION OF THE SINKER ONLY.
SURVEYED BY THE CORPS OF ENGINEERS.
SOUNDINGS WERE TAKEN BY FATHOMETER AND ARE SHOWN TO THE NEAREST TENTH OF A FOOT.
SOUNDINGS ARE BASED ON THE DATUM OF MEAN LOWER LOW WATER AT THE LOCALITY.
BASE MAPS ARE USDA NAIP 2010.
THE PROJECT DEPTHS ARE AS FOLLOWS:
INNER HARBOR CHANNEL - 37.5 FEET.
SANTE FE CHANNEL - 30 FEET.
(INNER HARBOR CHANNEL) BENCHMARK A-558 ELEV 15.81 FT. MLLW.
BENCHMARK #2 (1032) USGS DISK OLD FORD PLANT 16.0R25 FT. MLLW.
B.M. LS 2769 CITY OF RICHMOND DISK PAVEMENT 13.971 FT. MLLW.
TIDE GAGE LOCATION: MON B-1.
HORIZONTAL GPS CONTROL: COAST GUARD D-BEACON.
VERTICAL CONTROL: BENCHMARK, MLLW ELEV., AGENCY